

Inventor: Hom
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a drive mechanism including a reluctance motor having a shaft, [attached] connected to the security gate and adapted to provide with application of electric power a driving force to the security gate to move the security gate between the closed position and the open position[;

an electrical drive motor having a drive shaft connected directly to the drive mechanism without a reduction gear between the drive motor and the drive mechanism].

2. (Amended) The [apparatus] system of claim 1, wherein the [drive] motor is a switched reluctance motor.

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3. (Amended) The [apparatus] system of claim 1, wherein the [drive] motor is a three phase switched reluctance motor.

9. (Amended) The [apparatus] system of claim 1, wherein the drive mechanism further comprises:

a drive chain operatively connected to the security gate;

a drive sprocket attached directly to the shaft of the [drive] motor, with the drive sprocket in operative connection to the drive chain.

10. (Amended) The [apparatus] system of claim 2, wherein the drive mechanism further comprises:

a drive chain operatively connected to the security gate;

a drive sprocket attached directly to the shaft of the [drive] motor, with the drive sprocket in operative connection to the drive chain.

11. (Amended) The [apparatus] system of claim 3, wherein the drive mechanism further comprises:

a drive chain operatively connected to the security gate;

a drive sprocket attached directly to the shaft of the [drive] motor, with the drive sprocket in operative connection to the drive chain.

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17. (Amended) The [apparatus] system of claim 1, wherein the drive mechanism further comprises:

at least one drive arm directly connected to the [drive] motor shaft and operatively connected to the security gate.

18. (Amended) The [apparatus] system of claim 2, wherein the drive mechanism further comprises:

at least one drive arm directly connected to the [drive] motor shaft and operatively connected to the security gate.

19. (Amended) The [apparatus] system of claim 3, wherein the drive mechanism further comprises:

at least one drive arm directly connected to the [drive] motor shaft and operatively connected to the security gate.

25. (Amended) A method of operating a security gate, comprising:

providing a security gate capable of motion between a closed position and an open position;

~~[utilizing] providing a drive mechanism including a reluctance motor, [utilizing]~~

connected to the security gate and adapted to provide with application of electric power a driving force to the security gate to move the security gate between the closed position and the open position; and

[utilizing] applying electric power to the motor to move the security gate [an electrical drive motor having a drive shaft connected directly to the drive mechanism without a reduction gear between the drive motor and the drive mechanism].

27. (Amended) The method of claim 25, wherein the [drive] motor is a switched reluctance motor.

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29. (Amended) The method of claim 25, wherein the [drive] motor is a three phase switched reluctance motor.

31. (Amended) A security gate operating system, comprising:

a security gate capable of motion [between] from a closed position [and] to an open position; and

a drive mechanism including a reluctance motor, attached to the security gate and adapted to provide with application of electric power a driving force to the security gate to move the security gate [between] from the closed position [and] to the open position[;

electrical drive motor where the drive motor is a reluctance motor having a drive shaft connected to the drive mechanism].

32. (Amended) The [apparatus] system of claim 31, wherein the [drive] motor is a switched reluctance motor.

33. (Amended) The [apparatus] system of claim 31, wherein the [drive] motor is a three phase switched reluctance motor.

34. (New) A security gate operating system, comprising:

a security gate means capable of motion between a closed position and an open position;
and

a drive mechanism means including a reluctance motor means, connected to the security gate means and adapted to provide with application of electric power a driving force to the security gate means to move the security gate means between the closed position and the open position.

35. (New) The system of claim 34, wherein the motor means is a switched reluctance motor.

36. (New) The system of claim 34, wherein the motor means is a three phase switched reluctance motor.